

VII. Current Environment Analysis

HARDWARE ENVIRONMENT

The Arizona Judicial Branch continues to have a diverse mix of hardware, reflecting the various projects and programs that have evolved over the years, as well as the diverse funding model that supports the courts. This diversity stems from new applications, either acquired and/or developed, in support of an increasing need to track, manage, and report on judicial information. As we continue to evolve, the hardware implemented is of the newest architectures and technologies, designed to support the complexity of these applications and the large geographical area served by the Judicial Branch. At the local level, statewide ideals are subjected to the realities of local funding bodies' priorities, availability of grant funds, and differing funding cycles in play.

FY21 showed a reduction in the overall number of Windows legacy systems hosted in the Administrative Office of the Courts' (AOC's) Data Center. Two legacy Windows 2003 systems still remain but are planned for elimination in FY22 following de-commissioning of the AZTEC application. End-of-life Windows 2008 environments will be upgraded to Windows 2016 in FY22. Continued advancements are being made in the data center to reduce the number of physical computing systems and expand our virtual environments. The physical system footprint was reduced in FY21 while the virtual environment grew by 24 clients. This continues to reduce the ongoing expense of system maintenance and promote removal of end-of-life servers, while providing improved uptime and failover capabilities.

See Appendix A for current hardware and platform inventory numbers.

Several server environments are hosted at the AOC's Data Center:

- IBM AS/400s for legacy JOLTS and general administrative operations of the Administrative Office of the Courts;
- IBM AIX systems for operating legacy AZTEC, the appellate courts, Data Warehouse, Datamart, IBM MQ Messaging infrastructure, and Tivoli backup technology; and
- Windows servers for JWI, NewWorld, AJACS, Adult Probation, AZYAS, OnBase EDMs, Internet, Intranet, DocLink, eCitation, eNotification, Team Foundation Server and Microsoft Project, Jury+, ROAM, Defensive Driving, AZTurboCourt, JOLTSaz, CDR, CCR, CCI, SWID (Juvenile Statewide ID), NICS, eFiling, eBench, eAccess, Tax Intercept Program, AZPOINT, desktop deployment, SSRS, statewide remote on-line training, as well as file and print sharing. New applications due to be released into the Windows environment in FY22 include, at a minimum, the full replacement for the legacy data warehouse.

The desktop environment includes a variety of PCs. AOC/ITD, under COT's direction, has undertaken a remote desktop management and software subscription approach designed to enable current client hardware to last 8+ years and ensure the technology needed to support the evolution of statewide applications and projects remains in place. The courts are currently in Year 7 of that lifecycle and beginning to plan for the next statewide refresh.

The following are the most recent PC models deployed as courts progress through the technology lifecycle.

Desktop:

HP Z2 G5 SFF G5 SFF – 2X3J9UT

Intel Core i5-10500 Processor (3.1 GHz, 6MB Cache), Intel HD Graphics 4600, 8GB DDR4-3200 DIMM (2x4GB) RAM, 256GB SATA SSD Hard Drive, Intel® I219LM Gigabit Network Connection, Intel Core i5 vPro.

Laptop:

HP ZBook Firefly 15u G7 G6 Notebook PC

Intel i5-6300U/UMA Graphics – L3D24AV, i5-10210u (1.6 GHz w/ Turbo, 6MB Cache) Processor, and Intel HD Graphics 520, Intel Core i5 vPro, Integrated camera, Integrated NVMe 256GB HD.

Printer:

E6B9A#ABA HP LaserJet - HP Laser Jet M605n/M608n.

Note that hardware items listed in Appendix A are generally housed and supported centrally as a part of statewide or state-level projects. Individual courts often have additional hardware and/or software beyond these items. Equipment acquired and supported locally, as well as both ACAP- and JOLTSaz-supported desktop devices, are listed in the individual courts' IT Strategic Plans which are attached. Please refer to individual county court plans for additional specifics at the local level.

SOFTWARE ENVIRONMENT

There remains a persistent diversity of software throughout the courts. As the Judiciary adopts more centralized support, the set of products is becoming increasingly standardized. However, industry trends being as fast-paced as they are, and unlikely to slow down, there will always be a three-tiered software offering.

- On the first tier are the old or legacy applications.
- On the second tier are the standard applications which are stable and for which training and some Support Center assistance is available. Office 365, eAccess, and AJACS are examples of that type of application.
- On the third tier are the pilot users of what will likely be the next version, release or product. The new statewide eWarrant system, FARE re-write, and Digital Evidence, are examples of third-tier applications.

The list of software products shown in Appendix B is divided into two categories.

The first category includes the products in use statewide in courts for which the Support Center provides assistance. There are many other products in use in the superior, justice, and municipal courts statewide, most often supported by the IT staff of the local court, city, or county government. At the state level, however, these are not supported and not included in the list.

The second category includes those products in use at the Supreme Court and the Administrative Office of the Courts.